



# Indiana Crop & Weather Report

United States Dept of Agriculture

Indiana Agricultural  
Statistics

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## CROP REPORT FOR WEEK ENDING JUNE 27

### AGRICULTURAL SUMMARY

Farmers had a chance to catch up on some fieldwork as favorable weather conditions prevailed during most of the week, according to Indiana Agricultural Statistics. Planting of soybeans, harvesting winter wheat along with baling of hay and straw were major activities last week. Side dressing of corn and spraying for weeds were also taking place on many farms. Replanting was underway, but wet spots and standing water remain in many fields. Wheat fields are rapidly advancing toward maturity in the northern regions. Diseases are being reported in some wheat fields, mostly scab and rust.

### FIELD CROPS REPORT

There were **5.4 days suitable for fieldwork**. Corn **condition** is rated 73 percent good to excellent compared with 58 percent last year at this time. Eleven percent of the corn acreage has **silked** compared with 1 percent for the average. Most of the soybean acreage is planted except for double crop soybeans and replanting of drowned out areas. Ninety-eight percent of the soybean acreage has **emerged** compared with 88 percent last year and 95 percent for the average. Ten percent of the soybean acreage is **blooming**. Soybean **condition** is rated 67 percent good to excellent compared with 54 percent last year at this time.

Fifty-one percent of the winter wheat acreage is **harvested** compared with 29 percent last year and 33 percent for the average. By area, 8 percent of the wheat is harvested in the north, 41 percent in the central region and 92 percent in the south. Wheat **condition** is rated 67 percent good to excellent compared with 67 percent last year at this time. Setting of **tobacco** plants is 94 percent complete compared with 76 percent last year and 92 percent for average. First cutting of **alfalfa hay** is 94 percent complete compared with 92 percent last year and 97 percent for the average.

Other activities during the week were cleaning up equipment, mowing roads, moving grain to market, hauling manure and taking care of livestock.

### LIVESTOCK, PASTURE AND RANGE REPORT

**Pasture condition** is rated 17 percent excellent, 63 percent good, 16 percent fair, 3 percent poor and 1 percent very poor. Livestock are in mostly good condition.

### CROP PROGRESS TABLE

Crop	This Week	Last Week	Last Year	5-Year Avg
Percent				
Soybeans Emerged	98	93	88	95
Soybeans Blooming	10	NA	1	6
Corn Silking	11	2	0	1
Alfalfa First Cutting	94	81	92	97
Tobacco Plants Set	94	76	76	92
Winter Wheat Harvested	51	17	29	33

### CROP CONDITION TABLE

Crop	Very Poor	Poor	Fair	Good	Excellent
Percent					
Corn	3	5	19	51	22
Soybean	3	6	24	50	17
Winter Wheat 2004	1	5	27	47	20
Pasture	1	3	16	63	17

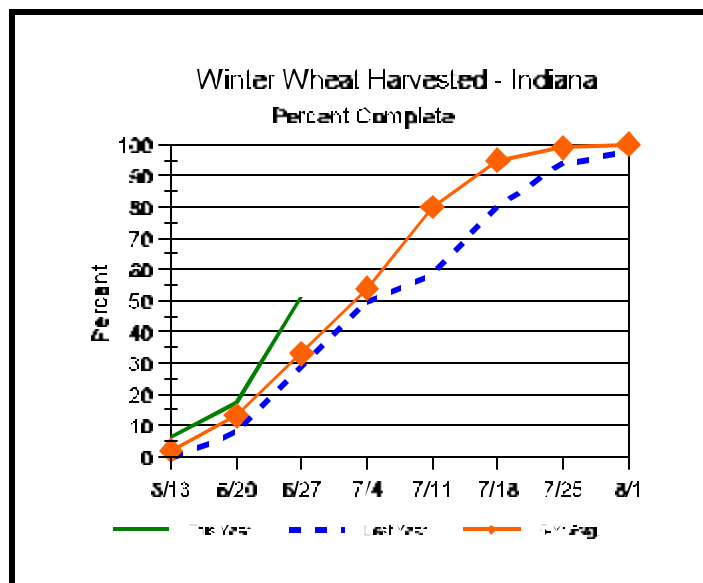
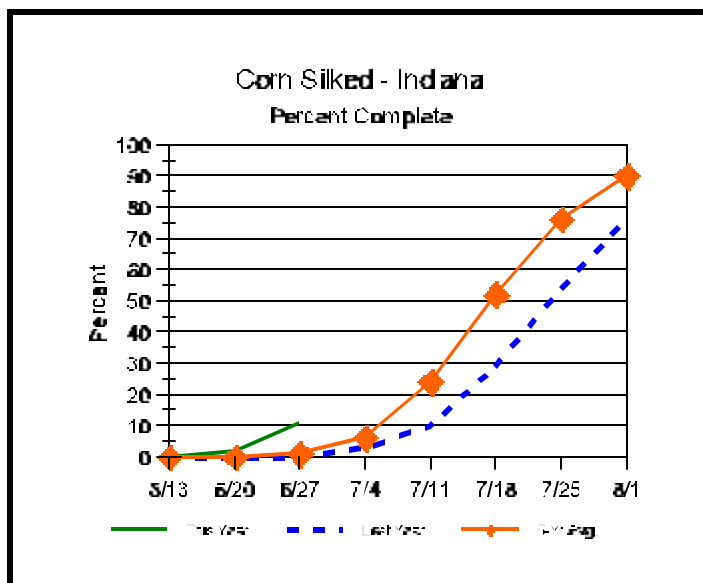
### SOIL MOISTURE & DAYS SUITABLE FOR FIELDWORK TABLE

	This Week	Last Week	Last Year
Percent			
<b>Topsoil</b>			
Very Short	0	0	2
Short	4	1	18
Adequate	77	51	64
Surplus	19	48	16
<b>Subsoil</b>			
Very Short	0	0	1
Short	5	3	12
Adequate	77	61	71
Surplus	18	36	16
<b>Days Suitable</b>	5.4	2.2	6.1

### CONTACT INFORMATION

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# Crop Progress



## Other Agricultural Comments And News

### Flooding and Very Wet Soil Conditions Equals Soybean Re-Planting

- Continued rains with flooding equate to soybean re-planting.
- The date is approaching to consider changing to an earlier maturity group of soybean for re-plant.

June rainfall reported across west-central Indiana as of June 21 has been in the range of 6 to 12 inches. These very heavy rains resulted in significant flooding of river and stream bottoms with the resulting death of most of the corn and soybean planted in these low areas. In addition, some upland areas experienced significant ponding, for more than two days, which also resulted in crop loss.

Delayed planting or re-planting has less effect on the yield of soybeans than on corn. Unlike corn, which requires a certain number of growing degree days to mature, soybeans are sensitive to day length and as the day length shortens later in the growing season, maturity speeds up. As a general rule of thumb, for each three days planting is delayed, after May 20, harvest is delayed one day. In order to view a comparison of the yield reduction experienced by corn and soybeans as planting is delayed, see the table at the top of Page 4.

As yield levels of soybeans have increased over the past ten years or so, the percentage yield loss has increased slightly. For example, data from a recent

study, given in a graph with this article about Soybean Response to Planting Dates 1991 - 94, which can be viewed at: [http://www.entm.purdue.edu/entomology/ext/targets/p&c/P&C15\\_2004.pdf](http://www.entm.purdue.edu/entomology/ext/targets/p&c/P&C15_2004.pdf), pg. 3, indicates that the reductions in yield for May 20 and June 10 are about 0.5% per day. Yield losses for the period from June 11 to June 30 are about 1.4 percent per day for each day of delay after June 10.

We are approaching the date when consideration should be given to changing maturity groups. It is advisable to stay with a full-season variety of soybeans for your particular area until about June 15 in the northern one-fourth of Indiana, June 20-25 for the central one half of Indiana and June 25 in the southern one-fourth of the state. Full season soybeans will almost always give a higher yield than shorter season varieties for a given geographic area even when planting is modestly late.

Once these dates have been reached, producers should move from a full season variety of soybeans to a mid season variety for their respective area. This will equate to a change of one-half maturity group assuming that a full season variety is being grown. Additionally, seeding rates should be increased by 15 to 25 percent to promote shading and taller plants to increase podding height and nodes per acre.

(Continued on Page 4)

# Weather Information Table

Week ending Sunday June 27, 2004

Station	Past Week Weather Summary Data							Accumulation					
	Air						Avg	April 1, 2004 thru					
	Temperature				Precip.		4 in	Precipitation			GDD Base 50°F		
	Hi	Lo	Avg	DFN	Total	Days	Soil Temp	Total	DFN	Days	Total	DFN	
Northwest (1)													
Chalmers_5W	81	48	64	-10	0.31	3	68	16.43	+5.51	31	1119	+36	
Valparaiso_AP_I	80	50	63	-9	0.29	2		9.76	-1.88	32	1032	+91	
Wanatah	81	47	62	-10	0.42	2	71	9.73	-1.27	37	967	+80	
Wheatfield	80	46	62	-10	0.40	1		19.64	+8.73	42	1022	+104	
Winamac	79	47	63	-9	0.34	2	72	10.71	-0.28	38	1071	+94	
North Central(2)													
Plymouth	81	48	63	-10	0.08	2		11.93	+0.47	36	1015	-5	
South_Bend	80	50	63	-9	0.34	2		11.49	+0.74	36	1087	+167	
Young_America	78	48	64	-9	0.33	2		11.93	+1.34	32	1170	+184	
Northeast (3)													
Columbia_City	79	46	62	-9	0.33	3	70	12.55	+1.69	41	1032	+160	
Fort_Wayne	79	48	65	-8	0.42	2		13.14	+3.08	38	1125	+154	
West Central(4)													
Greencastle	83	44	64	-11	0.14	2		13.05	+1.23	38	1171	+15	
Perrysville	83	48	66	-8	0.32	2	74	12.57	+0.86	31	1310	+244	
Spencer_Ag	84	50	66	-8	0.29	2		13.98	+1.57	38	1263	+200	
Terre_Haute_AFB	86	47	67	-8	0.22	1		9.68	-1.85	30	1401	+252	
W_Lafayette_6NW	79	47	64	-9	0.51	2	77	16.31	+5.37	27	1182	+189	
Central (5)													
Eagle_Creek_AP	83	54	67	-7	0.06	1		11.11	+0.31	35	1298	+160	
Greenfield	83	49	66	-8	0.65	2		12.81	+1.38	35	1230	+160	
Indianapolis_AP	84	50	67	-8	0.27	2		13.70	+2.90	36	1372	+234	
Indianapolis_SE	82	46	66	-8	0.21	2		10.93	-0.11	32	1247	+135	
Tipton_Ag	81	46	63	-10	0.42	3	72	12.17	+1.33	34	1138	+188	
East Central (6)													
Farmland	82	44	64	-7	0.33	2	65	12.58	+1.47	40	1158	+243	
New_Castle	79	46	62	-10	1.11	2		14.78	+2.75	30	1020	+80	
Southwest (7)													
Evansville	85	55	71	-7	0.00	0		13.37	+1.49	30	1590	+210	
Freelandville	85	53	68	-8	0.37	1		10.53	-1.69	33	1391	+192	
Shoals	85	51	67	-7	0.01	1		14.77	+1.79	35	1402	+254	
Stendal	86	56	69	-7	0.00	0		14.73	+1.38	32	1498	+222	
Vincennes_5NE	86	53	68	-8	0.32	3		12.66	+0.44	36	1468	+269	
South Central(8)													
Leavenworth	85	55	69	-5	0.40	2		19.39	+6.27	38	1405	+256	
Oolitic	82	51	68	-6	0.18	2	77	14.48	+2.11	39	1303	+222	
Tell_City	86	57	72	-5	0.00	0		18.18	+4.93	36	1608	+316	
Southeast (9)													
Brookville	86	52	68	-5	0.00	0		11.37	-0.32	33	1281	+287	
Milan_5NE	84	53	67	-5	0.51	4		15.49	+3.80	49	1277	+283	
Scottsburg	84	57	70	-5	0.00	0		21.12	+9.14	37	1382	+192	

DFN = Departure From Normal (Using 1961-90 Normals Period).

GDD = Growing Degree Days.

Precipitation (Rainfall or melted snow/ice) in inches.

Precipitation Days = Days with precip of .01 inch or more.

Air Temperatures in Degrees Fahrenheit.

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## Flooding and Very Wet Soil Conditions Equals Soybean Re-Planting (Continued)

### Yield Reductions Experienced by Corn and Soybeans as Planting is Delayed

	May 21	May 26	May 31	June 5	June 10	June 30
Corn	5 %	8 %	13 %	19 %	25 %	
Soybeans	0	2 %	4 %	7 %	10 %	38 %

A commonly used rule of thumb for a cutoff date to stop planting soybeans is 90 days prior to the first 32 degree frost for a given area within the state. Using a 25% probability, or one in four years of a 32 degree or lower temperature, the magical date for the Bluffton area in northeastern Indiana is June 30,

while in the Lafayette area it is July 5. Soybean planting should cease in most of the southern half of Indiana by July 10 except for the southwest corner where planting can occur up to July 15.

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